SEQUENCE LISTING

<110> Zhou, Xiao-Mai

<120> COMPOUNDS AND METHODS FOR REGULATING APOPTOSIS, AND METHODS OF MAKING AND SCREENING FOR COMPOUNDS THAT REGULATE APOPTOSIS

<130> A7483

<140>
<141>

<160> 20

<170> PatentIn Ver. 2.1

<210> 1
<211> 168
<212> PRT
<213> Homo sapiens

<400> 1

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Met Phe Gln Ile Pro Glu Phe Glu Pro Ser Glu Gln Glu Asp Ser Ser
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Ser Ala Glu Arg Gly Leu Gly Pro Ser Pro Ala Gly Asp Gly Pro Ser
            20                  25                  30

Gly Ser Gly Lys His His Arg Gln Ala Pro Gly Leu Leu Trp Asp Ala
        35                  40                  45

Ser His Gln Gln Glu Gln Pro Thr Ser Ser Ser His His Gly Gly Ala
    50                  55                  60

Gly Ala Val Glu Ile Arg Ser Arg His Ser Ser Tyr Pro Ala Gly Thr
65                  70                  75                  80

Glu Asp Asp Glu Gly Met Gly Glu Glu Pro Ser Pro Phe Arg Gly Arg
                85                  90                  95

Ser Arg Ser Ala Pro Pro Asn Leu Trp Ala Ala Gln Arg Tyr Gly Arg
            100                 105                 110

Glu Leu Arg Arg Met Ser Asp Glu Phe Val Asp Ser Phe Lys Lys Gly
        115                 120                 125

Leu Pro Arg Pro Lys Ser Ala Gly Thr Ala Thr Gln Met Arg Gln Ser
    130                 135                 140

Ser Ser Trp Thr Arg Val Phe Gln Ser Trp Trp Asp Arg Asn Leu Gly
145                 150                 155                 160

Arg Gly Ser Ser Ala Pro Ser Gln
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<210> 2
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<213> Mus musculus

<400> 2
Met Gly Thr Pro Lys Gln Pro Ser Leu Ala Pro Ala His Ala Leu Gly
1 5 10 15

Leu Arg Lys Ser Asp Pro Gly Ile Arg Ser Leu Gly Ser Asp Ala Gly
20 25 30

Gly Arg Arg Trp Arg Pro Ala Ala Gln Ser Met Phe Gln Ile Pro Glu
35 40 45

Phe Glu Pro Ser Glu Gln Glu Asp Ala Ser Ala Thr Asp Arg Gly Leu
50 55 60

Gly Pro Ser Leu Thr Glu Asp Gln Pro Gly Pro Tyr Leu Ala Pro Gly
65 70 75 80

Leu Leu Gly Ser Asn Ile His Gln Gln Gly Arg Ala Ala Thr Asn Ser
85 90 95

His His Gly Gly Ala Gly Ala Met Glu Thr Arg Ser Arg His Ser Ser
100 105 110

Tyr Pro Ala Gly Thr Glu Glu Asp Glu Gly Met Glu Glu Glu Leu Ser
115 120 125

Pro Phe Arg Gly Arg Ser Arg Ser Ala Pro Pro Asn Leu Trp Ala Ala
130 135 140

Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met Ser Asp Glu Phe Glu Gly
145 150 155 160

Ser Phe Lys Gly Leu Pro Arg Pro Lys Ser Ala Gly Thr Ala Thr Gln
165 170 175

Met Arg Gln Ser Ala Gly Trp Thr Arg Ile Ile Gln Ser Trp Trp Asp
180 185 190

Arg Asn Leu Gly Lys Gly Gly Ser Thr Pro Ser Gln
195 200

<210> 3
<211> 162
<212> PRT
<213> Mus musculus

<400> 3
Met Phe Gln Ile Pro Glu Phe Glu Pro Ser Glu Gln Glu Asp Ala Ser

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  1               5                  10                  15

Ala Thr Asp Arg Gly Leu Gly Pro Ser Leu Thr Glu Asp Gln Pro Gly
             20                  25                  30

Pro Tyr Leu Ala Pro Gly Leu Leu Gly Ser Asn Ile His Gln Gln Gly
         35                  40                  45

Arg Ala Ala Thr Asn Ser His His Gly Gly Ala Gly Ala Met Glu Thr
     50                  55                  60

Arg Ser Arg His Ser Ser Tyr Pro Ala Gly Thr Glu Glu Asp Glu Gly
 65                  70                  75                  80

Met Glu Glu Glu Leu Ser Pro Phe Arg Gly Arg Ser Arg Ser Ala Pro
                 85                  90                  95

Pro Asn Leu Trp Ala Ala Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met
            100                 105                 110

Ser Asp Glu Phe Glu Gly Ser Phe Lys Gly Leu Pro Arg Pro Lys Ser
        115                 120                 125

Ala Gly Thr Ala Thr Gln Met Arg Gln Ser Ala Gly Trp Thr Arg Ile
    130                 135                 140

Ile Gln Ser Trp Trp Asp Arg Asn Leu Gly Lys Gly Gly Ser Thr Pro
145                 150                 155                 160

Ser Gln
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<210> 4
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: BAD BH3
consensus sequence

<400> 4
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Ala Ala Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met Ser Asp Glu Phe
  1               5                  10                  15

Val Asp Ser Phe Lys Lys Gly Leu Pro Arg
             20                  25
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<210> 5
<211> 26
<212> PRT
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<220>

<223> Description of Artificial Sequence: BAK BH3
consensus sequence

<400> 5
Thr Met Gly Gln Val Gly Arg Gln Leu Ala Ile Ile Gly Asp Asp Ile
1 5 10 15

Asn Arg Arg Tyr Asp Ser Glu Phe Gln Thr
20 25

<210> 6
<211> 26
<212> PRT
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<220>
<223> Description of Artificial Sequence: BAX BH3
consensus sequence

<400> 6
Ser Thr Lys Lys Leu Ser Glu Cys Leu Lys Arg Ile Gly Asp Glu Leu
1 5 10 15

Asp Ser Asn Met Glu Leu Gln Arg Met Ile
20 25

<210> 7
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: BIK BH3
consensus sequence

<400> 7
Gly Ser Asp Ala Leu Ala Leu Arg Leu Ala Cys Ile Gly Asp Glu Met
1 5 10 15

Asp Val Ser Leu Arg Ala Pro Arg Leu Ala
20 25

<210> 8
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: BID BH3
consensus sequence

<400> 8

Ile Ile Arg Asn Ile Ala Arg His Leu Ala Gln Val Gly Asp Ser Met
1 5 10 15

Asp Arg Ser Ile Pro Pro Gly Leu Val Asn
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<210> 9
<211> 26
<212> PRT
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<220>
<223> Description of Artificial Sequence: HRK BH3
consensus sequence

<400> 9
Ala Ala Gln Leu Thr Ala Ala Arg Leu Lys Ala Leu Gly Asp Glu Leu
1 5 10 15

His Gln Arg Thr Met Trp Arg Arg Arg Ala
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<210> 10
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: BOK BH3
consensus sequence

<400> 10
Arg Leu Ala Glu Val Cys Thr Val Leu Leu Arg Leu Gly Asp Glu Leu
1 5 10 15

Glu Gln Ile Arg Pro Ser Val Tyr Arg Asn
20 25

<210> 11
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: BIM BH3
consensus sequence

<400> 11
Pro Glu Ile Trp Ile Ala Gln Glu Leu Arg Arg Ile Gly Asp Glu Phe
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Asn Ala Tyr Tyr Ala Arg Arg Val Phe Leu

20 25

<210> 12
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: BAD primer (murine)

<400> 12
gcctccagga tccaagatgg gaacc 25

<210> 13
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: BAD primer (murine)

<400> 13
ggagcgggta gaattccggg atg 23

<210> 14
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: BAD primer (murine short)

<400> 14
tggagaccag gatcccagag tagct 25

<210> 15
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Human PKI primer

<400> 15
ctatgtggat ccttggtagc aatg 24

<210> 16
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Human PKI primer

<400> 16
cctcatagac cttaagtaaa caaa 24

<210> 17
<211> 18
<212> PRT
<213> Homo sapiens

<400> 17
Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met Ser Asp Glu Ser Val Asp
1 5 10 15

Ser Phe

<210> 18
<211> 20
<212> PRT
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<220>
<223> Description of Artificial Sequence: antibody generating phosphopeptide

<400> 18
Gly Cys Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met Ser Asp Glu Ser
1 5 10 15

Val Asp Ser Phe
20

<210> 19
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: ST-kinase recognition motif

<400> 19
Leu Arg Arg Met Ser Asp
1 5

<210> 20
<211> 12
<212> PRT
<213> Human immunodeficiency virus

<220>
<223> Description of Artificial Sequence: Tat polypeptide

<400> 20
Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly
1 5 10